

ALDRICH CHEMICAL COMPANY, INC. P.O. BOX 355 P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

ATTN: SAFETY DIRECTOR

SECTION 1. -

NAME:

SECTION 3. -

CATALOG #:

CAS #: 7

EMERGENCY PHONE 1-414-273-3850

E 07/30/96 CUST#: 938609 PO#: 82809

1

JOEL WATKINS, BLDG F/252 SCHOOLCRAFT COLLEGE 18600 HAGGERTY ROAD LIVONIA MI 48152-3932

SAFETY MATERIAL DATA SHEET PAGE - CHEMICAL IDENTIFICATION-22137-6 ZINC SULFATE HEPTAHYDRATE, 99%, A.C.S. REAGENT SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS -7446-20-0 SYNONYMS
NUZ * SULFURIC ACID, ZINC SALT (1:1), HEPTAHYDRATE * WHITE VITRIOL *
ZINC SULFATE * ZINC VITRIOL * ZINC SULFATE (1:1) HEPTAHYDRATE * - - HAZARDS IDENTIFICATION

BEL PRECAUTIONARY STATEMENTS
IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
TARGET ORGAN(S):
KIDNEYS
PANCREAS
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.
HYGROSCOPIC
KEEP TIGHTLY CLOSED.

KEEP TIGHTLY CLOSED. SECTION 4. - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

- - - FIRST-AID MEASURES- - -

SECTION 5. - - - - - - FIRE FIGHTING MEASURES - -

EXTINGUISHING MEDIA NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO CONTINUED ON NEXT PAGE

6094

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DATA

CUST#: 938609 PO#: 82809

PAGE

SHEET

CATALOG #: 22137-6 NAME: ZINC SULFATE HEPTAHYDRATE, 99%, A.C.S. REAGENT
PREVENT CONTACT WITH SKIN AND EYES.
SECTION 6 ACCIDENTAL RELEASE MEASURES
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
SECTION 7 HANDLING AND STORAGE
REFER TO SECTION 8.
SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
CHEMICAL SAFETY GOGGLES. RUBBER GLOVES. SAFETY SHOWER AND EYE BATH. MECHANICAL EXHAUST REQUIRED. DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. DO NOT USE IF SKIN IS CUT OR SCRATCHED. WASH THOROUGHLY AFTER HANDLING. IRRITANT. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE AND ODOR WHITE CRYSTALS
PHYSICAL PROPERTIES SPECIFIC GRAVITY: 1.957
SECTION 10 STABILITY AND REACTIVITY
INCOMPATIBILITIES STRONG OXIDIZING AGENTS PROTECT FROM MOISTURE.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS SULFUR OXIDES
SECTION 11 TOXICOLOGICAL INFORMATION
ACUTE EFFECTS MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CONTINUED ON NEXT PAGE

SAFETY

MATERIAL



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> CUST#: 938609 PO#: 82809

> > 3

PAGE MATERIAL SAFETY SHEET 22137-6 ZINC SULFATE HEPTAHYDRATE, 99%, A.C.S. REAGENT CATALOG #: NAME: CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
TARGET ORGAN(S):
KIDNEYS PANCREAS LIVER LUNGS TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. ADDITIONAL INFORMATION
ZINC OXIDE DUST OR FUME CAN IRRITATE THE RESPIRATORY TRACT. PROLONGED SKIN CONTACT CAN PRODUCE A SEVERE DERMATITIS CALLED OXIDE POX.
EXPOSURE TO HIGH LEVELS OF DUST OR FUME CAN CAUSE METALLIC TASTE,
MARKED THIRST, COUGHING, FATIGUE, WEAKNESS, MUSCULAR PAIN AND NAUSEA FOLLOWED BY FEVER AND CHILLS. SEVERE OVEREXPOSURE MAY RESULT IN BRONCHITIS OR PNEUMONIA WITH A BLUEISH TINT TO THE SKIN. PROLONGED ECS #: ZH5300000 ZINC SULFATE HEPTAHYDRATE (1:1:7) TOXICITY DATA

UNR-MAN LDLO:221 MG/KG
ORL-RAT LD50:2150 MG/KG
IPR-RAT LD50:200 MG/KG
ORL-MUS LD50:2200 MG/KG
IPR-MUS LD50:75 MG/KG 85DCAI 2,73,70 ARTODN 54,275,83 BSPBAD 116,47,77 BSPBAD 116,47,77 AGACBH 16,580,85 TARGET ORGAN DATA
BEHAVIORAL (SOMNOLENCE)
BEHAVIORAL (COMA)
GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION. SECTION 12. - - -- - - - - ECOLOGICAL INFORMATION -DATA NOT YET AVAILABLE. - - DISPOSAL CONSIDERATIONS -SECTION 13. - -DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. OBSERVE ALL FEDERAL, - - TRANSPORT INFORMATION -SECTION 14. - -CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

6096

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SHEET SAFETY MATERIAL

PAGE

CATALOG #: NAME:

22137-6 ZINC SULFATE HEPTAHYDRATE, 99%, A.C.S. REAGENT

- - REGULATORY INFORMATION -SECTION 15.

EUROPEAN INFORMATION CAUTION: SUBSTANCE NOT YET FULLY TESTED. IRRITANT R 36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK NOES 1983: HZD X7277; NIS 2; TNF 160; NOS 5; TNE 2849; TFE 705

U.S. INFORMATION
THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

- - OTHER INFORMATION-SECTION 16. -

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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